

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1 - 7. (Canceled)

8. (Previously Presented) An aircraft comprising: an airframe including a bi-level galley module with a main-deck sub-module and an overhead sub-module disposed above said main-deck sub-module, said overhead sub-module for storing at least one object therein and having a first axis and a second axis disposed generally perpendicular to said first axis;

 a shaft defined by said bi-level galley module and extending between said main-deck sub-module and said overhead sub-module, said shaft having a longitudinal axis;

 an integrated transport system for moving an object through said shaft and between said main-deck sub-module and said overhead sub-module, said integrated transport system including a single-unit gantry-lift device comprised of a lift device for moving said object along said longitudinal axis and a gantry device for moving said object along at least one of the group consisting of said first axis and said second axis;

 a ladder extending between said main-deck sub-module and said overhead sub-module for allowing ingress and egress to said overhead sub-module;

 a walkway extending generally along said first axis of said overhead sub-module;

 at least one storage area disposed adjacent to said walkway and offset therefrom in a direction generally along said second axis of said overhead sub-module, said at least one storage area also being located above said walkway; and

 at least one deployable receptacle disposed within said at least one storage area, said at least one deployable receptacle including a tray and a lever coupled to said tray, said tray for supporting an object thereon and being movable between a storing position and a deploying position, said tray storing said object when said tray is disposed in said storing position and deploying said object when said tray is disposed in said deploying position, said lever coupled to said tray for moving said tray between said storing position and said deploying position;

wherein said single-unit gantry-lift device further includes an object carrier for receiving said object, said object carrier having at least one restraint member for securing said object in said object carrier and an unloading mechanism for unloading said object from said object carrier;

wherein said gantry device includes a pair of rails coupled to said overhead sub-module, said pair of rails for suspending said object carrier therefrom and preventing said object carrier from tipping, said pair of rails further utilized for moving said object carrier generally along said first axis of said overhead sub-module.

9. (Previously Presented) The aircraft recited in claim 8 wherein said tray includes at least one supporting surface for supporting said object.

10. (Previously Presented) The aircraft recited in claim 9 wherein said at least one supporting surface is substantially horizontal when said tray is disposed in said storing position and said at least one supporting surface is tilted at a predetermined angle when said tray is disposed in said deploying position.

11. (Previously Presented) The aircraft recited in claim 10 wherein said at least one supporting surface is a pan portion of said tray for supporting a series of wheels extending from said object and allowing said series of wheels to roll thereon.

12. (Previously Presented) The aircraft recited in claim 10 wherein said at least one supporting surface is a pair of opposing ledge portions of said tray with a series of rolling members coupled thereto, said series of roller members for contacting a bottom portion of said object and moving said object thereacross.

13. (Previously Presented) The aircraft recited in claim 8 wherein said tray has a distal end portion and a proximal end portion opposite to said distal end portion, said lever including a force arm, a resistance arm, and a fulcrum portion therebetween, said resistance arm being coupled to said distal end portion of said tray.

14. (Previously Presented) The aircraft recited in claim 13 wherein said resistance arm of said lever is pivotally coupled to said distal end portion of said tray.

15. (Previously Presented) The aircraft recited in claim 13 wherein said resistance arm of said lever is substantially horizontal when said tray is disposed midway between said storing position and said deploying position thereby minimizing an angle rotation of said lever and maximizing a height change of said distal portion of said tray when said lever is actuated to move said tray from said storing position to said deploying position.

16. (Previously Presented) The aircraft recited in claim 13 further comprising:
a distal anchor member coupled to said fulcrum portion of said lever; and
a proximal anchor member coupled to said proximal end portion of said tray.

17. (Previously Presented) The aircraft recited in claim 16 wherein said distal anchor member of said proximal anchor member comprise a one-piece base for mounting said tray thereon.

18. (Previously Presented) The aircraft recited in claim 16 wherein said proximal anchor portion is pivotally coupled to said proximal end portion of said tray, said proximal end portion moving along an arcuate path when said tray is moved between said storing position and said deploying position.

19. (Previously Presented) The aircraft recited in claim 16 wherein said proximal anchor portion of said base member is slidably coupled to said proximal end portion of said tray so as to allow said proximal end portion to move in substantially horizontal path.

20. (Previously Presented) The aircraft recited in claim 16 wherein said proximal anchor portion of said base member is coupled to said proximal end portion of said tray via at least one of the group consisting of a pin and slot fastening pair and a linkage bar.

21. (Previously Presented) The aircraft recited in claim 8 wherein said lever is coupled to at least one of the group consisting of a solenoid device, a hydraulic device, an electronic servo device, and a pedal portion for actuation by a person.

22 - 41. (Canceled)